CLAIM

1.   A system comprising:

2   a processor configured to detect when a wireless mobile unit is in an high

data rate area, said processor being configured to determine a need for

4   exchanging data between said wireless mobile unit and a base station; and

a data burst optimizer configured to exchange said data between said

6   wireless mobile unit and said base station in said high data rate area.

2.   The system of claim 1 wherein said processor invokes said data burst

2   optimizer to exchange said data between said wireless mobile unit and said

base station when said wireless mobile unit is in said high data rate area.

3.   The system of claim 2 wherein said data burst optimizer is configured to

2   continuously detect when said wireless mobile unit is in said high data rate area.

4.   The system of claim 2 wherein said data burst optimizer transmits a

2   logon name and password to said base station to authenticate said wireless

mobile unit.

5.   The system of claim 3 wherein said data burst optimizer is configured to

2   stop exchanging said data between said wireless mobile unit and said base

station when said wireless mobile unit is not in said high data rate area.

6.   A wireless communication system comprising:

2   means for detecting when a wireless mobile unit is in an HDR area;

means for determining a need to exchange data between said wireless

4   mobile unit and a base station; and

means for exchanging said data between said wireless mobile unit and

6   said base station.

7.   The wireless communication system of claim 6 wherein said detecting

2   means invokes said exchanging means to exchange said data when said

wireless mobile unit is in said high data rate area.

8.   The wireless communication system of claim 6 wherein said detecting

2   means invokes said exchanging means to exchange said data when said

wireless mobile unit is in said high data rate area and when said determining

4   means determines said need to exchange said data between said wireless

mobile unit and said base station.

9.   The wireless communication system of claim 7 wherein said exchanging

2   means continuously detects when said wireless mobile unit is in said high data

rate area.

10.   The wireless communication system of claim 7 wherein said exchanging

2   means transmits a logon name and password to said base station to

authenticate said wireless mobile unit.

11.   The wireless communication system of claim 9 wherein said exchanging

2   means stops an exchange of said data between said wireless mobile unit and

said base station when said wireless mobile unit is not in said high data rate

4   area.

12.   A method for exchanging data between a wireless mobile unit and a base

2   station, said method comprising steps of:

     detecting when said wireless mobile unit is in an high data rate area;

4   determining a need for exchanging said data between said wireless

mobile unit and said base station;

6   invoking a data burst optimizer to synchronize an exchange of said data

between said wireless mobile unit and said base station; and

8   exchanging said data between said wireless mobile unit and said base

station when said wireless mobile unit is said high data rate area.

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13.   The method of claim 12 further comprising a step of:

2   transmitting a logon name and password to said base station to

authenticate said wireless mobile unit after said invoking step and prior to said

4   exchanging step.

14.   The method of claim 12 further comprising steps of:

2   invoking an application database in said wireless mobile unit; and

          authenticating at least one application in said application database with

4   said base station.

15.   The method of claim 12 further comprising a step of:

2 pinging said base station to detect when said wireless mobile unit is in

said high data rate area after said invoking step and prior to said exchanging

4 step.

16. The method of claim 15 wherein said pinging step is performed by said

2 data burst optimizer.

17. A method for exchanging data between a wireless mobile unit and a base

2 station, said method comprising steps of:

  detecting when said wireless mobile unit is in an high data rate area;

4 determining a need to exchange data between said wireless mobile unit

and said base station;

6 invoking a data burst optimizer to synchronize an exchange of said data

between said wireless mobile unit and said base station;

8 transmitting a logon name and password from said wireless mobile unit

to said base station to authenticate said wireless mobile unit; and

10 exchanging said data between said wireless mobile unit and said base

station when said wireless mobile unit is in said high data rate area.

18. The method of claim 17 further comprising steps of:

2 invoking an application database in said wireless mobile unit after said

transmitting step; and

4 authenticating at least one application in said application database with

said base station prior to said exchanging step.

19.   The method of claim 17 further comprising a step of:

2   pinging said base station to detect when said wireless mobile unit is in

said high data rate area after said invoking step and prior to said transmitting

4   step.

20.   The method of claim 19 wherein said pinging step is performed by said

2   data burst optimizer.

21.   The method of claim 17 wherein said invoking step is performed by a

2   processor in said wireless mobile unit.

22.   A method for exchanging data between a wireless mobile unit and a base

2   station, said method comprising steps of:

        detecting when said wireless mobile unit is in an high data rate area;

4   determining a need to exchange data between said wireless mobile unit

and said base station;

6   invoking a data burst optimizer to synchronize an exchange of said data

between said wireless mobile unit and said base station;

8   transmitting a logon name and password from said wireless mobile unit

to said base station to authenticate said wireless mobile unit;

10   invoking an application database in said wireless mobile unit;

        authenticating at least one application in said application database with

12   said base station; and

        exchanging said data between said wireless mobile unit and said base

14   station when said wireless mobile unit is in said high data rate area.

23. The method of claim 22 further comprising a step of:

2 pinging said base station to detect when said wireless mobile unit is in

said high data rate area after said step of invoking said data burst optimizer and

4 prior to said transmitting step.

24. The method of claim 23 wherein said pinging step is performed by said

2 data burst optimizer.

25. The method of claim 22 wherein said step of invoking said data burst

2 optimizer is performed by a processor in said wireless mobile unit.

26. A computer readable medium including a computer program, said

2 computer program implementing a method for exchanging data between a

wireless mobile unit and a base station, said computer program comprising:

4 a first code segment for detecting when said wireless mobile unit is in an

high data rate area;

6 a second code segment for determining a need for exchanging said data

between said wireless mobile unit and said base station;

8 a third code segment for invoking a data burst optimizer to synchronize

an exchange of said data between said wireless mobile unit and said base

10 station; and

a fourth code segment for exchanging said data between said wireless

12 mobile unit and said base station when said wireless mobile unit is said high

data rate area.

27.   The computer readable medium of claim 26 wherein said computer

2   program further comprises:

a fifth code segment for transmitting a logon name and password to said

4   base station to authenticate said wireless mobile unit.

28.   The computer readable medium of claim 27 wherein said computer

2   program further comprises:

a sixth code segment for invoking an application database in said

4   wireless mobile unit; and

a seventh code segment for authenticating at least one application in

6   said application database with said base station.

29.   The computer readable medium of claim 28 wherein said computer

2   program further comprises:

an eighth code segment for pinging said base station to detect when said

4   wireless mobile unit is in said high data rate area.